SEAT NO :

MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2016/2017

PCG0023 – COMPUTER GRAPHICS 2

(All sections / Groups)

08 OCTOBER 2016
9.00 a.m. - 11.00 a.m.
(2 Hours)

INSTRUCTIONS TO STUDENTS

1. This Question paper consists of 18 pages (including this cover page).
2. **ANSWER COMPULSORY QUESTION (SECTION A) AND CHOOSE TWO OUT OF THREE QUESTIONS (SECTION B) NOT ALL**
3. Please write your **Section A** answer on **Multiple Choice Sheet** and **Section B answers in Question Paper.**

SECTION A **(60 Marks)**
Answer ALL the questions.

1. How can you edit a layer mask?

   A. In the Layer, select the layer mask thumbnail. Using the Healing brush paint over the areas you want to be revealed and then ALT- click to hide.
   B. In the Layer, select the layer mask thumbnail. Drag around an area on the layer. When you release the mouse, the open ends of the selection will be joined automatically.
   C. In the Layer, select the layer mask thumbnail. With the brush tool paint with white to reveal, paint with black to hide.
   D. In the Layer, select the layer mask thumbnail. Choose the Crop tool, Drag a marquee over the part of the image you want to keep and then click enter.

2. What resolution should an image be if we are putting on a website?

   A. 300dpi
   B. 120dpi
   C. 92dpi
   D. 72dpi

3. You can hold down the _____ key and the letter keystroke to see hidden tools.

   A. Alt
   B. Control
   C. Tab
   D. Shift

4. All of the following can be done in the layers panel except....

   A. Name a layer
   B. Color a layer
   C. Move a layer from one file to another
   D. Choose color

5. The tool that lets you select an area of an image and then paint with that area is called?

   A. Eyedropper
   B. Brush
   C. Clone Stamp Tool
   D. Patch Tool

Continued...

6. To fill in a layer as a background colour, which tool the best to fulfill the given task?

A. line
B. paint bucket
C. gradient
D. smudge

7. Lightens areas in an image.

A. Bright tool
B. Dodge tool
C. Smudge tool
D. Burn Tool

8. All of the following are part of the default interface except...

A. Document Image
B. Panels
C. Menus
D. Filters

9. What does dpi stand for?

A. Damage per increment
B. Dots per integer
C. Dots per increment
D. Dots per inch

10. To change the color scheme of every layer create a top layer with the "new" color and set the blending mode of this layer to _____.

A. Saturation
B. Hue
C. Overlay
D. Screen

11. Pressing what letter will allow a Photoshop user to view standard, maximized, full screen with menu bar and full screen mode of their work?

A. A
B. F
C. Z
D. M

E. Continued...

12. The typical size for a graphic design is measured in _____.

A. pica
B. pixels
C. points
D. inches

13. What does it mean to "crop" an image?

A. Cut off excess(extra unneeded) parts of the image
B. Darken a picture
C. Move an image to another image
D. Change the resolution

14. What is another term for raster graphics?

A. Bitmap
B. Line work
C. 3-D images
D. Vector image

15. When using a selection tool, if I want to SUBTRACT to the current selection, I should hold the _____ key while selecting.

A. Option
B. Control
C. Command
D. Shift

16. Setting this tool option bar setting for the magic wand will determine how much or how little an area of selection will be made.

A. Opacity
B. Blending mode
C. Pressure
D. Tolerance

17. "B" is the keyboard shortcut for:.

A. Blur
B. Select Box
C. Paintbrush
D. Bevel

Continued...

18. This layer panel technique will hide what's on a layer and reveal part of it's contents with a brush.

A. Layers panel
B. Layer mask
C. Layer style
D. Fill or adjustment layer

19. All of the following are Blur Filter options except...

A. Radial
B. Noise
C. Motion
D. Gaussian

20. The key command to fill with foreground color Slider of the Navigator Window allows you to…

A. Adjust the size and area of the document that is displayed
B. Zoom in on your document
C. Look at your document on a pixel by pixel basis.
D. All of the above

21. When using a selection tool, if I want to ADD to the current selection, I should hold the _____ key while selecting.

A. Option
B. Control
C. Z
D. Shift

22. Which of the following can you NOT do with Photoshop?

A. Restore old photographs
B. Create original artwork
C. Open ZIFF files
D. See a histogram of an image

23. By definition, a _____ is the combining of two images together to create a third.

A. Layering
B. Merging
C. Flattening
D. Compositing

Continued…

24. Quickly removes blemishes and imperfections from photographs with a uniform background.

A. Paint Bucket tool
B. Spot Healing Brush tool
C. Sharpen tool
D. Brush tool

25. 0% opacity is called _____, and 100% opacity is called _____.

A. Transparent, opaque
B. Opaque, transparent
C. Invisible, visible
D. None of the above

26. To delete a series of steps that have been used in a editing of image/photo, you would need to use the _____ pallette.

A. Layer
B. Action
C. History
D. Path

27. Which tool can with one click of the mouse, select an entire area of a continuous color?

A. Eye Dropper Tool
B. Lasso Tool
C. Magic Wand Tool
D. Polygonal Lasso Tool

28. The key command to fill with foreground color

A. Alt + Delete
B. Ctrl + Delete
C. Ctrl + Alt + Delete
D. Shift + Delete

29. The technique with this tool involves taking pixels from one location and moving them to another location.

A. Patching
B. Selecting
C. Cloning
D. Moving

Continued...

30. Which statement is incorrect about working with the gradient tool in Photoshop?

A. There is a pressure tool bar option setting for a gradient
B. Gradients have presets
C. There is a gradient editor to create your own gradient
D. You can set blending modes with gradients

31. All of the following are locations where you can change Blending Modes except....

A. Layer styles
B. Image adjustments
C. Brushes
D. Adjustments panel

32. To open a new file in Photoshop, you can…

A. Choose File > Open from the drop-down menu
B. Choose File > New from the drop-down menu
C. Press Ctrl and O on the keyboard
D. Both B and C

33. What type of selection is made so that the previously unselected part of the image is selected ?

A. Modified
B. Inverse
C. Selected
D. Inverted

34. What does ppi stand for?

A. pixel per increment
B. pixel per integer
C. pixel per increment
D. pixel per inch

35. Drop shadow, inner glow and bevel are examples of _____ you need to use with text.

A. filters
B. blending options
C. image adjustments
D. layer modes

Continued…

36. The _____ tool is used as a separator design element and it's thickness is measured in _____.

A. Line, pixels
B. Line, centimeters
C. Shape, pixels
D. Line, inches

37. All of the following are locations where you can change Blending Modes except....

A. Layer styles
B. Image adjustments
C. Brushes
D. Adjustments panel

38. Which tool that you can use for paint with a sampling of other image?

A. Magic Wand tool
B. Zoom tool
C. Clone Stamp tool
D. Custom Shape tool

39. To cut down the size of the entire image/photo, including all layers, you should select the _____ tool.

A. marquee
B. magic wand
C. crop
D. clone stamp

40. A selection can be modified by all the following except....

A. Contracted
B. Expanded
C. Smoothed
D. Transformed

41. Of the 4 Keys Components to a Great Graphic which one would include a number?

A. Design Elements
B. Solid Layout
C. Typography
D. Color Scheme

Continued...

42. The key command to fill with foreground color

A. Alt + Deletes
B. Ctrl + Delete
C. Ctrl + Alt + Delete
D. Shift + Delete

43. _____ is the range of color.

A. Hue
B. Contrast
C. Vividness
D. Saturation

44. How do you convert the Background into a Layer?

A. Click a layer, then press Ctrl-A/Cmd-A
B. Double-click the Background on the Layers panel
C. Move the Background upward in the layers panel
D. Click the Background and then press Delete.

45. If your selection edges (those "marching ants") become distracting or annoying, how can you hide them from your view?

A. Press Ctrl-H/Cmd-H
B. View > Extras
C. View > Show > Selection Edges
D. All of the Above

46. Resolution is a measurement of pixels per square inch.

A. TRUE
B. FALSE

47. The Control keystroke can be held down when you're using the Elliptical tool to make a perfect circle.

A. TRUE
B. FALSE

48. White areas in a layer mask permit pixels to be seen, black areas hide pixels, and gray areas hide pixels partially.

A. TRUE
B. FALSE

Continued...

49. There is a feathering setting for the marquee tool.

A. TRUE
B. FALSE

50. The image size and the canvas size are essentially the same thing in a photoshop file.

A. TRUE
B. FALSE

51. The transparency setting of adjustment layers level of opacity can be control.

A. TRUE
B. FALSE

52. The image size and the canvas size are essentially the same thing in a photoshop file.

A. TRUE
B. FALSE

53. When you drag and drop a selection of pixels from one document to another it creates a layer mask in the target document.

A. TRUE
B. FALSE

54. Pixels are small squares on a computer screen that reflect light.

A. TRUE
B. FALSE

55. The image adjustment of Curves can take RGB input tones and selectively stretch or compress them.

A. TRUE
B. FALSE

56. Magic Wand tool → selects similarly colored areas

A. TRUE
B. FALSE

Continued...

57. To create a layer mask, start with a selection of the area. At the bottom of the Layers panel, click the Add Layer Mask button.

A. TRUE
B. FALSE

58. Difference is an image Adjustment and Threshold is a blending mode.

A. TRUE
B. FALSE

59. Once you build the layers in your artwork (image/photo), you cannot rearrange them.

A. TRUE
B. FALSE

60. Control + M allows you to merge two or more layers together.

A. TRUE
B. FALSE

Continued...

SECTION B **(40 Marks)**
Choose TWO out of THREE Questions

QUESTION 1 **(20 points)**

The following questions are based on the following **Adobe Photoshop CC 2015 Tools** :

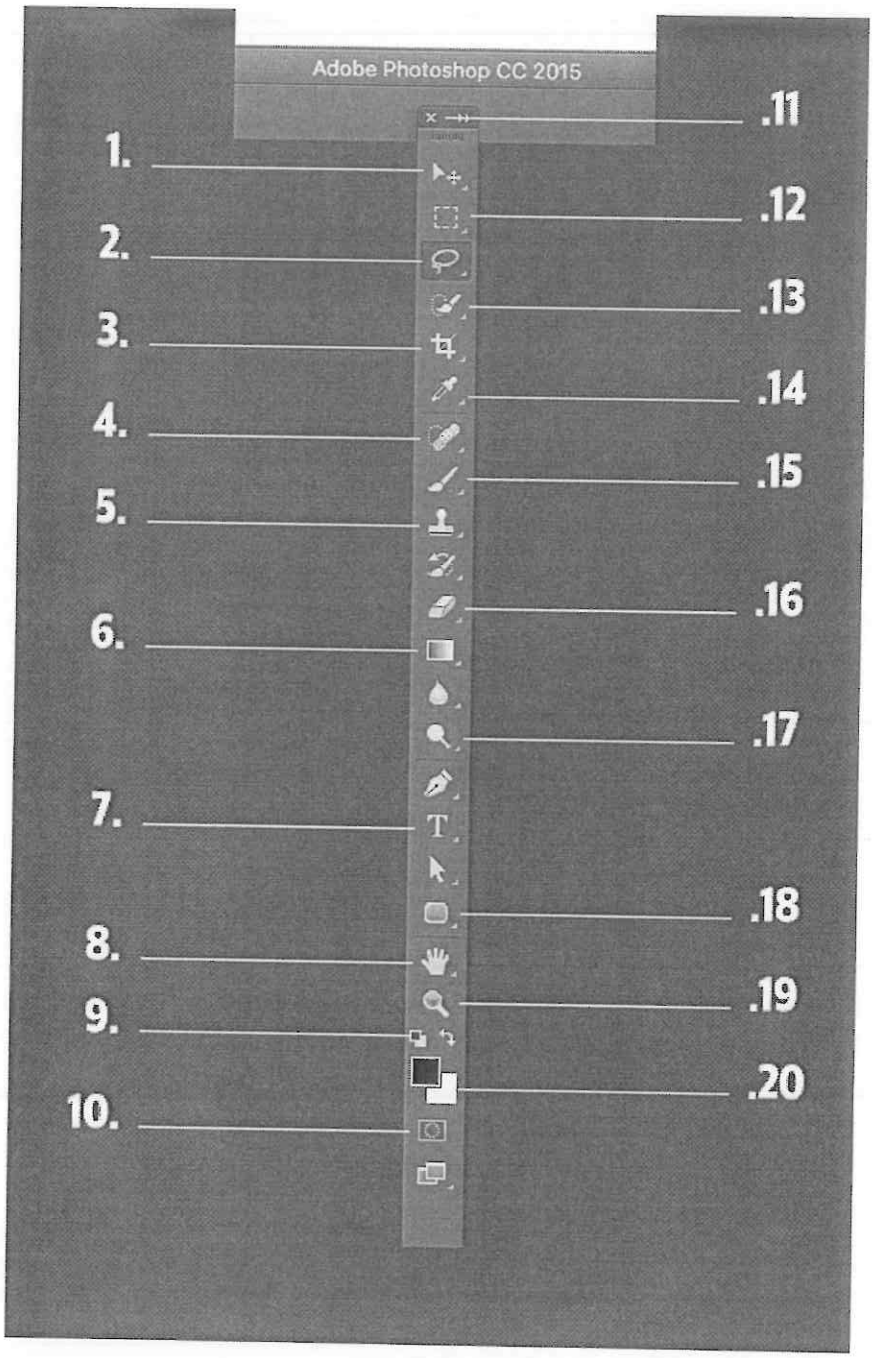


Illustration 1

Continued...

Illustration 1 is captured from the tool of Adobe Photoshop CC 2015. **Answer ALL.**

1. What is the name of this tool? (1 point)

   Answer : _____

2. What is the name of this type of selection tool? (1 point)

   Answer : _____

3. What is the name of this tool? (1 point)

   Answer : _____

4. What is the shortcut for tool #4. (1 point)

   Answer : _____

5. This tool goes by two names. Choose one. (1 point)

   Answer : _____

6. There are three tools in this section, but the one showing is called? (1 point)

   Answer : _____

7. What is the name of this tool? (1 point)

   Answer : _____

8. What is the name of this tool? (1 point)

   Answer : _____

9. The use of this tool for…? (1 point)

   Answer : _____

10. The use of this tool for…? (1 point)

    Answer : _____

11. What is the name of this tool? (1 point)

    Answer : _____

Continued…

12. What type of selection tool is this? (1 point)

Answer : _____

13. What is the name of this tool? (1 point)

Answer : _____

14. What is the name of this particular tool? (1 point)

Answer : _____

15. What is the name of this tool? (1 point)

Answer : _____

16. What is the shortcut for #16, where you use the keyboard? (1 point)

Answer : _____

17. There are three tools in this one. Name the one showing. (1 point)

Answer : _____

18. What is the shortcut for tool #18. (1 point)

Answer : _____

19. The use of this tool for…? (1 point)

Answer : _____

20. This is called? (1 point)

Answer : _____

Continued…

QUESTION 2 **(20 points)**

The following questions are based on the following **Compositing Image using Displacement Map Techniques** :

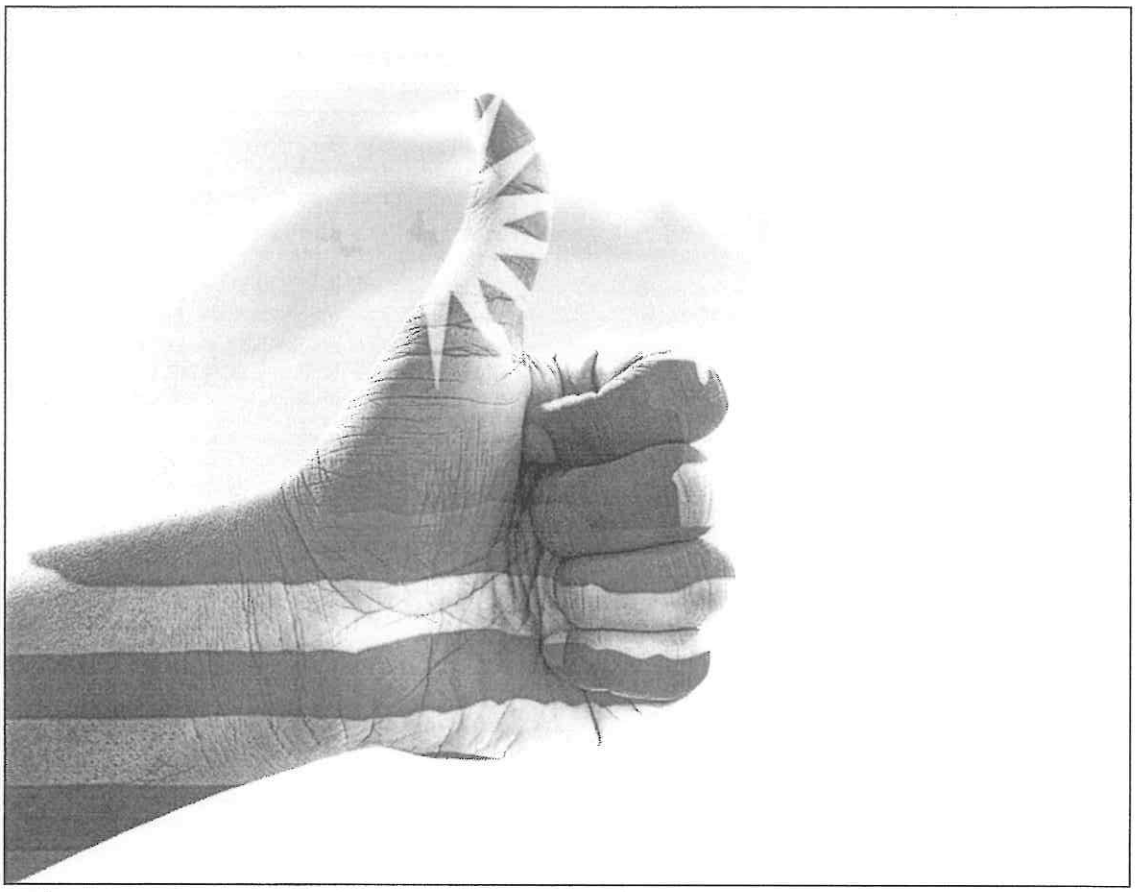


Illustration 2

Illustration 2 is captured from the basic learning of understanding the image compositing with displacement maps techniques and effects. All question **NOT** in sequence steps.

1. How do you **apply the Soft Blur effect** for the background layer? (2 points)

   Answer : _____

2. This technique required Masking or combination with Refine Edge features. What is the **shortcut key for Masking Mode** tool? (2 points)

   Answer : _____

Continued...

3. The steps of converting image to Black and White. **On which menu** the Black and White is located? (2 points)

   Answer : _____

4. **Which Blur** filters are required for this technique? (2 points)

   Answer : _____

5. **Name the filter** which required to apply for creating texture-mapping flow on subject element? (2 points)

   Answer : _____

6. Which **save format** you should use to save the black and white image for texture mapping? (2 points)

   Answer : _____

7. How to create **Layer Mask**? (2 points)

   Answer: _____

8. What is the keyboard shortcut key for **Free Transform Tool**? (2 points)

   Answer : _____

9. One of the steps requires converting an image into Black and White. How do you make-it **Deep Contrast** for Black and White image? (2 points)

   Answer : _____

10. **Why do we need to make it** more Contrast for Black and White image? (2 points)

    Answer : _____

Continued...

QUESTION 3 **(20 points)**

The following question is based on the Basic of Image Editing.

3.1 Basic Standard Adobe Photoshop Tool Short Cut

a. Keyboard [**W**] short-cut for > ..... (2 points)

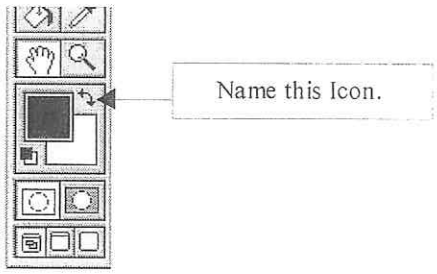
b. Keyboard [**Z**] short-cut for > ..... (2 points)

c. Keyboard [**M**] short-cut for > ..... (2 points)

d. Keyboard [**D**] short-cut for > ..... (2 points)

e. Keyboard [**T**] short-cut for > ..... (2 points)

Referring to the Illustration below, please in the blank below



f. Name the icon tool as shown in the above illustration.

..... (2 points)

Continued...

3.2 The following questions are based on the understanding of Digital Imaging File formats. Describe in detail **why JPEG / JPG file format** is most commonly use in Digital Imaging **compared to the VECTOR Ai file format**. What are the **advantages and disadvantages** for both file formats? You can use diagram or table to do a comparison between JPEG and Ai file format.

(8 points)

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End of Paper.